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 PRODUCT-DETAILS

# ACS180-04S-03A7-1

LV AC machinery drive module, IEC: Pn 0.55 kW, 3.7 A, 230 V, UL: Pld 0.75 Hp, 3.5 A, 230 V (ACS180-04S-03A7-1)




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**General Information**

Global Commercial Alias	ACS180-04S-03A7-1
Product ID	3AXD50000716579
ABB Type Designation	ACS180-04S-03A7-1
EAN	6438177649144
Catalog Description	LV AC machinery drive module, IEC: Pn 0.55 kW, 3.7 A, 230 V, UL: Pld 0.75 Hp, 3.5 A, 230 V (ACS180-04S-03A7-1)
Long Description	The ACS180 is a compact and robust adaptable variable speed drive (VSD) for applications such as pumps, fans, compressors, conveyors, winders and mixers. This easy-to-use compact VSD offers excellent performance and quality at superior value with all essential machinery application features embedded. And as a member of ABB's all-compatible drives portfolio, it shares the same architecture and user interfaces for ease of use.

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**Ordering**

Country of Origin	China (CN) Finland (FI)
Customs Tariff Number	85044085
HS Code	850440-- Electrical transformers, static converters (for example, rectifiers) and inductors.- Static converters
Invoice Description	ACS180-04S-03A7-1 PN: 0.55 kW, IN: 3.7 A
Made To Order	Yes

Minimum Order Quantity	1 piece
Order Multiple	1 piece
Quote Only	No
Selling Unit of Measure	piece

## Dimensions

Product Net Weight	0.92 kg 2.028 lb
Product Net Depth / Length	143 mm 5.630 in
Product Net Height	209 mm 8.228 in
Product Net Width	70 mm 2.756 in
Package Level 1 Depth / Length	225 mm 8.858 in
Package Level 1 Height	115 mm 4.528 in
Package Level 1 Width	220 mm 8.661 in

## Technical

Number of Phases	1
Degree of Protection	IP20
Enclosure Type NEMA	Open Type
Altitude	1000 m 5 ... 95
Power Factor	0.98
Multiple Battery Information	No battery / cell included
Frequency (f)	47 ... 63 Hz
Frame Size	R0
Input Voltage ( $U_{in}$ )	200 ... 240 V
Mounting Type	Module
Communication Protocol	MODBUS
Number of Hardware Interfaces	Industrial Ethernet 0 Other 1 Parallel 0 PROFINET 0 RS-232 0 RS-422 0 RS-485 1 Serial TTY 0 USB 0
Includes	Control unit PC connection
Analog Inputs	2
Analog Outputs	1
Number of Digital In/Outputs	4 / 2
Output Current, Heavy- Duty Use ( $I_{HD}$ )	2.4 A
Output Current, Light- Overload Use ( $I_{LD}$ )	3.5 A
Output Current, Normal Use ( $I_n$ )	3.7 A
Output Power, Heavy- Duty Use ( $P_{HD}$ )	0.37 kW

Output Power, Light-Overload Use ( $P_{LD}$ )	0.55 kW
Output Power, Normal Use ( $P_n$ )	0.55 kW
Apparent Power Output Complete Drive Module Efficiency (61800-9-2)	1.5 kV·A

Operating Point Frequency / Current
0/25 %
0/50 %
0/100 %
50/25 %
50/50 %
50/100 %
90/50 %
90/100 %

### Classifications

ETIM 8	EC001857 - Frequency converter =< 1 kV
ETIM 9	EC001857 - Frequency converter =< 1 kV

### Environmental

WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
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### Additional Information

Product Main Type	ACS180-04S
Product Name	Frequency converter

### Categories

Drives → Low Voltage AC Drives → Machinery Drives → ACS180 - Machinery Drive

